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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Report on
INDUSTRY READINESS PROGRAM -MOCK INTERVIEW SESSIONS on 19-07-2025 & 20-07-2025

The Department of Artificial Intelligence & Data Science successfully organized **mock interview sessions** as a key component of its **"Industry Readiness Program"** for B. Tech IV Year students. These sessions, held on **July 19-20, 2025**, provided invaluable practical experience. The program was formally inaugurated by a distinguished panel, including Dr. K. Appa Rao, Principal of LBRCE; Dr. V. Suryanarayana, Dean of Industry Relations, LBRCE; and Dr. P. Bhagath, Head of the Department, AI & DS.

Industry Experts:	Dr. Santanu Roy, CEO, DHINEU-The Ultimate Intelligent Solutions Mr. Afsar Ansari, Data Scientist/SDE, DHINEU-The Ultimate Intelligent Solutions Dr. Swarup Ranjan Behra, Data Scientist, ExxonMobil, Bengaluru Mr. Prasanta Roy, Software Development Engineer, Microsoft
Name of Convener:	Dr. P. Bhagath, Professor & HOD, Department of AI & DS
Target Audience:	IV Year B.Tech. CRT Registered Students
No of Participants:	96

The primary objective of this event was to **thoroughly prepare students for upcoming interviews**. The preparation process commenced with a **rigorous coding round**, featuring a diverse set of challenges: one basic, two medium, and two hard-level scenarios.

Out of 127 eligible students for the Campus Recruitment Training (CRT), **96 successfully cleared this initial round**. This exercise provided students with a clear understanding of their current **level of preparedness for placement activities**. While a significant number of students demonstrated strong readiness for placement drives, the results also highlighted the need for **further intensive training in Data Structures and Algorithms (DSA)** for a subset of students to ensure their optimal performance in future drives.

Mock Interview Session Schedule

The mock interview sessions were structured over two days with students distributed across four specialized panels, aligned with their expressed interests.

Panel Categories:

- **Data Structures & Algorithms (DSA) Panel**
- **DSA & Databases Panel**
- **Machine Learning (ML) & Natural Language Processing (NLP) Panel**
- **ML & Computer Vision Panel**

Day-wise Interview Breakdown:

- **Day 1 - Forenoon Session:** A total of **28 students** were interviewed, with 7 students assigned to each panel.
- **Day 1 - Afternoon Session:** A total of **32 students** were interviewed, comprising 8 students per panel.
- **Day 2 - Forenoon Session:** A total of **28 students** underwent interviews, with 7 students per panel.
- **Day 2 - Afternoon Session:** All remaining students participated in their respective panel interviews.

Following the completion of all interviews, a dedicated **interactive session with experts** was conducted for all participating students.

Key Recommendations from Mr. Prasanta Roy

Mr. Prasanta Roy provided crucial advice for students aspiring to excel in their careers and placement drives:

- **Concise CVs:** Students should aim for a **single-page resume**, ensuring it is clear and impactful.
- **Authentic ReactJS Projects:** A significant concern noted was the lack of originality in many ReactJS projects. Students are strongly encouraged to **develop their ReactJS projects independently** to demonstrate genuine skill and understanding.
- **Consistent DSA Practice:** Regular and focused **practice in Data Structures and Algorithms (DSA)** is essential for strengthening problem-solving abilities.
- **Thorough Syntax Knowledge:** A deep and **comprehensive understanding of programming syntaxes** is critical for effective coding.
- **Internship Focus on Development & Contributions:** Internships should emphasize **active development and tangible contributions** to projects, rather than just the learning aspect. Students should highlight their practical work and impact.
- **Skill-Oriented Self-Introduction:** When introducing themselves, students should focus on **showcasing their relevant skills and technical abilities** rather than providing personal details.

- **Tailored Introductions and Resumes:** Introductions and resumes should be **customized to be job-specific and aligned with the company's domain requirements**. This necessitates having **multiple versions of the CV** ready to match diverse opportunities.

Key Recommendations from Dr. Santanu Roy

Dr. Santanu Roy provided the following insights and recommendations for students:

- **Logical Problem-Solving:** Emphasized the paramount importance of demonstrating a **logical and structured approach to problem-solving** during interviews and in practical application.
- **Role of Optimization:** Highlighted that **solution optimization** is a crucial factor in technical interviews and real-world development, urging students to consider efficiency in their approaches.
- **CV Authenticity:** Stressed the need for **absolute honesty and accuracy on resumes**. Students should only include genuine contributions and verifiable accomplishments, avoiding any embellishments or fabricated experiences.
- **Backend and Deployment Focus:** Recommended concentrating on **backend development and deployment activities**, recognizing their critical role in the software development lifecycle.
- **Full-Stack Development with Python:** Advised that while Python is valuable, it **may not be entirely sufficient for comprehensive full-stack development** and encouraged students to broaden their skillset accordingly.
- **Strategic Use of AI Tools (e.g., ChatGPT):** Cautioned against over-reliance on AI tools like ChatGPT for complete solutions. Instead, recommended using them primarily for **information retrieval and understanding concepts**, while being mindful of their potential for hallucination or inaccuracies.
- **Phased Skill Acquisition:** Advocated for a progressive learning approach: first, **mastering foundational knowledge**, then **implementing it at a moderate complexity level**, and subsequently **advancing to expert-level proficiency**.

Key Recommendations from Dr. Swarup Ranjan Behra

Dr. Swarup Ranjan Behra offered the following strategic advice for students focusing on career readiness:

- **Authentic & Personalized CV:** Emphasized that a Curriculum Vitae (CV) should be an **original and genuine reflection of the individual's unique accomplishments**, rather than a generic template or replica.
- **Focus on Accomplishments, Not Activities:** Advised that a CV should highlight **what has been demonstrably achieved** (past contributions and results), rather than merely

listing ongoing or intended activities.

- **Demonstrate Personal Skills:** The CV must clearly and accurately **showcase the applicant's actual skills and competencies**.
- **Portfolio and Code Links:** Strongly recommended including **links to code repositories (e.g., GitHub) or project portfolios** to provide tangible evidence of practical work and capabilities.
- **Cultivate Creativity:** Encouraged students to adopt a **creative and innovative approach** in their projects and problem-solving.
- **Prerequisite of Coding Skills:** Underlined that robust **coding skills are fundamental and indispensable** for securing engineering roles in the industry.
- **Mastering Data Structures & Algorithms (DSA):** Stressed that DSA is a **core competency**. Consistent practice, particularly by solving problems on platforms like LeetCode, directly correlates with improved problem-solving abilities and interview performance.
- **Strategic DSA Preparation:** Given that a significant number of recruiting companies from the institution are product-based, students should **intensify their preparation in DSA** to meet these specific industry demands.
- **Market Insight on ML Salaries:** Provided an observation regarding the current market, noting that **salaries associated with Machine Learning (ML) roles may generally be lower** compared to other engineering positions.

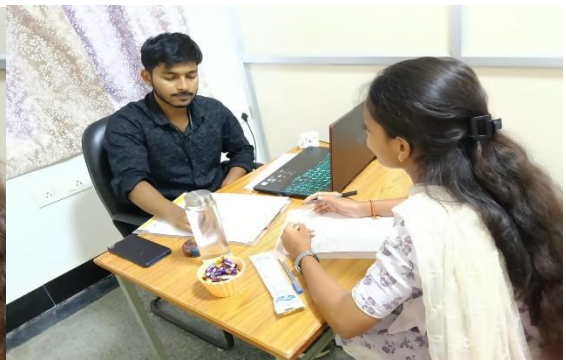
Key Suggestions from Mr. Afsar Ansari

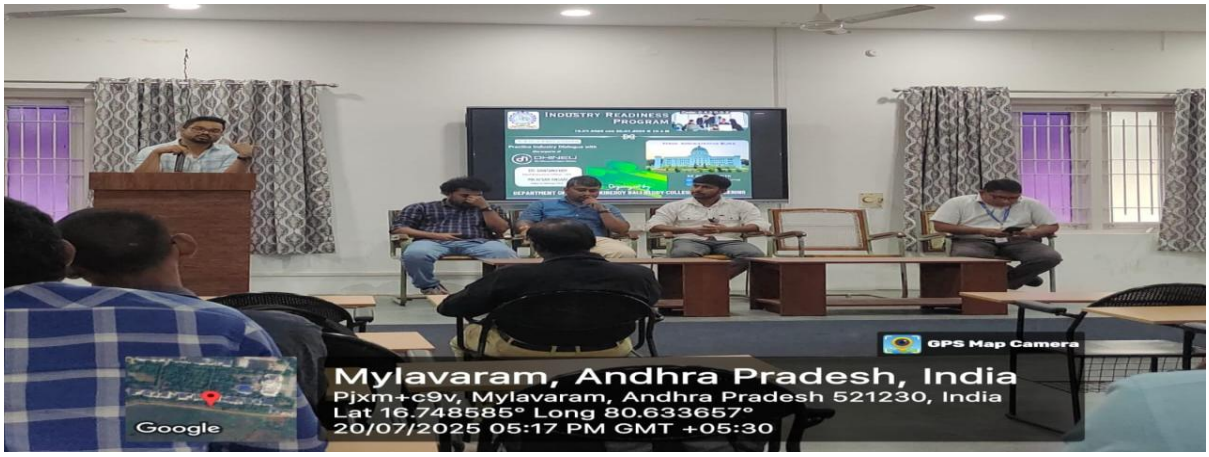
Mr. Afsar Ansari provided the following valuable suggestions for aspiring developers:

- **Front-End and Full-Stack Development Pathways:** For those aiming to become Front-End or Full-Stack Developers, it is essential to **acquire proficiency in a front-end framework or library**, such as React, Vue, or similar technologies.
- **Practical Project-Based Learning:** To truly cultivate a full-stack developer mindset, individuals should actively **implement various features and components**, followed by the development of **comprehensive projects** that integrate these skills.
- **Mastering Backend Database Connectivity:** A critical aspect for full-stack developers is to gain a deep understanding of **backend database connectivity, including common issues and their resolution**.
- **Structured Skill Development & Documentation:** Advised a systematic approach to skill acquisition: **first, thoroughly learn a concept; then, actively implement it; subsequently, consolidate the gained knowledge; and finally, clearly articulate these acquired skills and projects on the CV.**







HEAD OF THE DEPARTMENT
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